



HOT WATER COIL PIPING DETAIL

(ON/OFF FLOW THROUGH COIL, FAIL TO FULL HEAT)

SCALE: NONE

NOTES:

1. SEE SHEET 9 FOR PNEUMATIC CONTROL DIAGRAM.
2. SEE SHEET 11 FOR DESIGN NOTES.
3. APPLICATION: OUTSIDE AIR PREHEAT COIL (MODULATING FACE AND BYPASS).

KEYED NOTES

1. INSTALL BALANCING VALVE WITH MINIMUM OF 3 STRAIGHT PIPE DIAMETERS UPSTREAM AND 1 STRAIGHT PIPE DIAMETER DOWNSTREAM.
2. MAINTAIN 6" MINIMUM CLEARANCE ABOVE TEST PLUG TO ALLOW GAUGE TO BE INSERTED. DON NOT COVER PLUG WITH INSULATION.
3. INSTALL SWING JOINTS AT COIL CONNECTIONS.
4. CONNECT BRANCH LINES FROM COIL INTO TOP OR SIDE OF SUPPLY & RETURN MAINS. CONNECTING INTO BOTTOM OF MAIN IS NOT ACCEPTABLE.
5. INSTALL MANUAL AIR VENTS IN SUPPLY & RETURN COIL BRANCH PIPING AS FOLLOWS:
A) IN PIPING HIGH POINT WHEN PIPING IS ABOVE MAIN.
B) CLOSE TO COIL WHEN PIPING NOT ABOVE MAIN (SIDE CONNECTION).

NO.	DATE	CLASS REV	REVISIONS	APP
FACILITY ENGINEERING MANUAL				
COIL PIPING HOT WATER				
(TOP/BOTTOM CONNECTIONS) ON/OFF FLOW THROUGH COIL FAIL TO FULLHEAT				
APPROVED: DISCIPLINE POC DANNY NGUYEN			DATE: 6-28-99	
Los Alamos		Los Alamos National Laboratory Los Alamos, New Mexico 87545		7 OF 11
CLASSIFICATION: U		REVIEWER: DANNY NGUYEN		DATE:
REFERENCE DOCUMENT:			DRAWING NUMBER:	REV
CHAPTER 6			ST6121	